CONTENTS

January

Adolph G. Kammer Memorial Issue		1
Oil for the Lamps of Learning: Promoting occupational medicine as a career	*Jean Spencer Felton, M.D.*	3
The Prevalence of Mild Rheumatoid Arthritis in Industry	*T. A. Lincoln, M.D., and Sidney Cobb, M.D., M.P.H.*	10
Hazards to Health Associated with the Use of Epoxy Resins	*Carl U. Dernehl, M.D.*	17
The Alimentary Tract: A Route for Carcinogenic Exposure	*William E. Poel, Ph.D.*	22
The Business Interest in Disability Control	*Harry B. Burr, A.B.*	34
Olfactory Acuity in an Industrial Population	*Roy E. Joyner, M.D.*	37
Silicosis in Gold Miners: A Follow-up Study	*Yuan-Ching Ko, M.D.*	43
Topical Reviews		
Etiological Considerations in Spondylolysis and Spondylolisthesis	*Robert J. Halen, M.D.*	48
Air Pollution from Diesel Exhaust	*M. C. Battigelli, M.D., M.P.H.*	54
Editorial		58
Book Reviews		59
Publications Available		60
Questions		60
Abstracts of Current Literature		61
Association Activities		11a
About the Authors		19a
People and Events		20a
Calendar of Meetings		25a

February

The Role and Potential Role of Trace Metals in Disease	*C. Anthony D'Alonzo, M.D., Sidney Pell, Ph.D., and Allan J. Fleming, M.D.*	71
The Importance of Individual Differences in Noise-induced Hearing Loss	*Merle Lawrence, Ph.D.*	80
Some Aspects of Industrial Ophthalmology	*Clay W. Evatt, M.D.*	84
A Prepaid Dental-Care Plan and Related Medical-Dental Problems	*Edward J. Berger, M.D.*	87
Occupational Health in the United States Navy	*Norbert E. Rosenwinkel, Cdr. (MC), USN*	91
Risk Factors in Coronary Disease: A Prevention Evaluation Program	*Howard A. Lindberg, M.D.*	95
How		
The Management of Skin Burns from Chemicals	*C. U. Dernehl, M.D.*	100
Editorial		102
Book Reviews		103
Publications Available		105
Questions		106
Letter to the Editor		106
Abstracts of Current Literature		107
About the Authors		19a
People and Events		21a
Calendar of Meetings		27a

March

Functional Testing for Behavioral Toxicity: A Missing Dimension in Experimental Environmental Toxicology — *Joseph B. Ruffin, M.D.* — 117

Penetrating Wounds of the Abdomen — *C. J. Zurfli, M.D.* — 122

The Use of Medical Records to Yield Maximum Information: Methods for Different-sized Plants—A Symposium — 128

Chairman's Introduction — *David H. Goldstein, M.D.* — 128

The Experience of a Large Company — *Sidney Pell, Ph.D.* — 129

The Experience of a Medium-sized Company — *David H. Goldstein, M.D., and Joyce N. Benoit, B.S., M.A., R.N.* — 135

Methods Applicable to a Small Plant — *H. Hillman Palmer, M.D., and Melba C. Heyburn, R.N.* — 140

Detection of the Rusting Action of Palmar Sweat on Ferrous Metals — *Diogo Pupo Nogueira, M.D., and Ney Moraes, D.D.S.* — 145

Use of the Cross-Leg-Flap Procedure — *John D. DesPrez, M.D., and Clifford L. Kiehn, M.D.* — 147

Occupational Health Bookshelf — *IMA and USPHS Recommendations* — 150

Case Report

Acute Inhalation Mercury Intoxication — *William J. Burke, M.D., and Joseph M. Quagliana, M.D.* — 157

How

Measurement of Intraocular Pressure — *Dan M. Gordon, M.D.* — 161

Editorial — 163

Book Reviews — 164

Publications Available — 166

Questions — 166

Abstracts of Current Literature — 167

About the Authors — 15a

People and Events — 16a

Calendar of Meetings — 21a

April

The Epidemiology of Nutritional Problems: Study of an Industrial Population — *Charles E. Lewis, M.D., Sc.D.* — 175

Myocardial Infarction in Commercial Drivers — *John M. Trapnell, Jr., M.D., and Harvey D. Groff, M.D.* — 182

The Use of Medical Records: Opportunity for Epidemiological Studies — *John Cassel, M.B.B.Ch., M.P.H.* — 185

Pulmonary Clearance: Its Mechanism and its Relation to Pulmonary Disease — *Paul Gross, M.D., and Theodore Hatch, S.M.* — 191

Keeping Employees on the Job—A Panel Discussion — 195

Needed: Medical Organization's Participation in Supervisory Orientation Programs — *G. H. Franck, M.D.* — 195

Economic and Human Values as Recognized by Management — *Dean Downing* — 197

The Training Supervisor Views the Physician's Role in Management Development — *D. L. Regur* — 199

Control of Toxicological Hazards in the Air Force — *Lee B. Grant, Col. (MC), USAF* — 202

Medical Factors Involved in Air Transportation — *Lewis C. Benesh, M.D.* — 205

Tetanus in Industry — *William H. Bizot, M.D.* — 209

Topical Review

Animal Toxicologic Procedures and their Significance — *William L. Sutton, M.D.* — 212

Book Reviews — 218

Publications Available — 219

Questions — 219

Letters to the Editor 220
Abstracts of Current Literature 222
About the Authors 17a
People and Events 19a
Calendar of Meetings 25a

May

Aerospace Medicine and Bioastronautics; The C. O. Sappington Memorial Lecture — *A. H. Schwichtenberg, M.D.* 231
Starting an Alcoholism Program in Industry—A Panel Discussion
Industry's Approach to the Problem of Alcoholism — *Edward J. Zaik, M.D.* 238
The Role of the Idustrial Nurse with Medical Supervision — *Julia Miller, R.N.* 240
The Role of the Industrial Nurse without Immediate Medical Supervision — *Elizabeth Washak, R.N.* 241
The Three Faces of Industrial Dentistry — *Frances R. Karlan, D.D.S.* 243
The Protection Provided by the Second-Injury Amendment as it Relates to the Diabetic — *Borris A. Kornblith, M.D.* 246
Cirrhosis of the Liver following Chronic Exposure to Carbon Tetrachloride — *William V. McDermott, Jr., M.D., and Harriet L. Hardy, M.D.* 249
Personality Concomitants of Peptic Ulcer among Managerial, Supervisory, and Presupervisory Personnel — *Arthur W. Ayers, Ph.D., Harry B. Burr, A.B., and William B. Tuttle, M.D.* 252
Topical Review
The Toxicology of Methyl Chloroform — *Richard D. Stewart, M.D.* 259
How
Space-Saving Medical-record System — *Joseph B. Tauber, M.D.* 263
Editorial 266
Book Reviews 267
Questions 268
Abstracts of Current Literature 269
Association Activities 16a
About the Authors 27a
People and Events 28a
Calendar of Meetings 33a

June

Employee Health—Changes Ahead — *E. J. Schowalter, M.D.* 277
Differential Mortality from Lung Cancer by Occupation — *Philip E. Enterline, Ph.D., and Margaret F. McKiever, B.A.* 283
The New York Rehabilitation Program — *S. E. Senior* 291
Industry's Role in Civilian Defense — *Harry G. Becker, M.D.* 297
Recent Developments in Analytical Methods for Occupational Health — *Robert G. Keenan, M.S.* 301
Crushing Injuries of the Chest — *Walter A. Wichowski, M.D., and George W. Holmes, M.D.* 307
Statistical Considerations in Studies of the Health of Working Populations — *Sidney Pell, Ph.D.* 312
Association Activities
Report on Recommended Safe Practices in the Use of Diagnostic X-ray Equipment 318
Book Reviews 321
Publications Available 321
Questions 322
Letter to the Editor 322

Abstracts of Current Literature 323
About the Authors 21a
People and Events 23a
Calendar of Meetings 30a

July

The Role of the Physician in the Prevention of On-Duty Accidents *William Jend, Jr., M.D.* 331
Preliminary Statistical Study of Low Back Pain *M. Laurens Rowe, M.D.* 336
Oral Cancer and Occupational Health *Richard L. Hayes, D.D.S.* 342
Prophylaxis of Tetanus in the Oil Industry: Experiences in two fields in Venezuela *Luis Dao, M.D.* 348
Medical Program for Americans Overseas *George I. Mishtowt, M.D.* 350
Cigaret Smoking and Pulmonary Ventilation *Robert A. McLane, M.D.* 353
Interpretation of the Second-Injury Law 356
Case Report
Honeycomb Lungs (Cystic Disease of the Lungs) *John M. Staron, M.D.* 357
How
Significance of Urinary Abnormalities *Robert G. Marks, M.D.* 359
Book Reviews 361
Publications Available 362
Questions 362
Abstracts of Current Literature 365
About the Authors 19a
People and Events 20a
Calendar of Meetings 28a

August

Promotional and Teaching Functions of the Principal Occupational Health Organizations in America *Henry F. Howe, M.D.* 371
Pneumoconiosis Study of Western Pennsylvania Bituminous-Coal Miners *W. Wayne McBride, M.D., Eugene Pendergrass, M.D., and Jan Lieben, M.D.* 376
Comparative Study of Executive Health Examinations *H. A. Vonachen, M.D., and William J. Roche, Jr., Ph.D.* 389
Environmental Dust Study of Anthracite Coal Mines of Eastern Pennsylvania *E. J. Baier, M.P.H., and R. Diakun, M.S.* 396
Book Reviews 404
Abstracts of Current Literature 405
About the Authors 21a
People and Events 22a
Calendar of Meetings 30a

September

The Effect of Personal Opinion on Disability Evaluation *Henry Kessler, M.D., and George C. Manning, Jr., M.D.* 411
Effects on Dogs of Chronic Exposure to Microwave Radiation *William B. Deichmann, Ph.D., Ernesto Bernal, D.V.M., Frank Stephens, B.S.E.E., and Karin Landeen* 418
New Concepts of Shock *Robert M. Hardaway, Col., MC* 426
Disability Evaluation: A Function of the Industrial Medical Department *S. Charles Franco, M.D.* 433
Inhalation of Sulfur Dioxide as a Cause of Skin Reaction Resembling Drug Eruption *Viekko Pirilä, M.D., Heikki Kajanne, M.D., and Osmo P. Salo, M.D.* 443

Respiratory Symptoms in a Working Population—A Report on Methods
Richard W. Stone, M.D. 446
Refresher Course
Current Evaluation of Proctology in Industry
John U. Schwarzmann, M.D. 449
President's Message 453
Book Reviews 455
Abstracts of Current Literature 457
About the Authors 25a
People and Events 27a
Calendar of Meetings 34a

October

Air Pollution—Facts & Fables *Frank Princi, M.D.* 461
The Influence of Environmental Factors in Chronic Bronchitis
A. M. Phillips, M.D. 468
Compensable Heart Disease *John V. Thornton* 476
The Problem of Recurrent Hernia in Industry *Amos R. Koontz, M.D.* 481
The Invincible Split-Thickness Graft *Eugene S. Kilgore, Jr., M.D.* 485
Smallpox—Here? *Eugene R. K. Leiter, Col. (MC), USAF* 486
Threshold Limit Values for 1963: The American Conference of Governmental Industrial Hygienists 491
Case Report
Temporary Hearing Loss Associated with a Hydrocarbon Cracking Plant Explosion *R. L. Raleigh, M.D., Don Pringle, and Frank Goddard* 499
Editorial 501
President's Message 502
Book Reviews 503
Publications Available 505
Abstracts of Current Literature 506
About the Authors 21a
People and Events 23a
Calendar of Meetings 28a

November

Genetic Bases of Susceptibility and Resistance to Toxic Agents
Heinrich Brieger, M.D. 511
The Role of the Physician in Space Medicine *David H. Stoddard, M.D.* 516
Mononeuropathies in White Collar Workers
Harold Stevens, Ph.D., M.D. 520
Shipyard Employment of the Physically Handicapped
Arno Ross, M.D., and Marshall Cohen, Capt. (MC), USN 528
The Flat Hand of Burns *Eugene S. Kilgore, Jr., M.D.* 531
Refresher Course
Eye Problems in Industry *Hedwig S. Kuhn, M.D.* 532
How
Use of Fluorescein in Eye Injuries *Irwin J. Cohen, M.D.* 540
Special Report
International Audiometric Zero 542
Editorial 545
President's Message 547
Book Reviews 549
Abstracts of Current Literature 551
About the Authors 25a
People and Events 27a
Calendar of Meetings 34a

December

THE XIVTH INTERNATIONAL CONGRESS ON OCCUPATIONAL HEALTH: A BRIEF REPORT OF THE PROCEEDINGS
Robert E. Eckardt, M.D., Ph.D., and Heinrich Brieger, M.D. 557

THE MADRID CONGRESS: A PERSONAL ADDENDUM *Leon J. Warshaw, M.D.* 562

LASER—MEDICAL AND INDUSTRIAL HYGIENE CONTROLS
H. E. Tebrock, M.D., W. N. Young, M.D., and W. Machle, M.D. 564

EMOTIONAL FACTORS COMPLICATING INDUSTRIAL INJURIES
William N. Chambers, M.D. 568

DISABILITY, OLD AGE, AND EMPLOYMENT *Herbert Rusalem, Ed.D.* 575

REPAIR OF INJURED INDEX FINGER, WITH RESTORATION OF FUNCTION
Eugene S. Kilgore, Jr., M.D. 579

EDITORIAL 581

PRESIDENT'S MESSAGE 583

BOOK REVIEWS 585

PUBLICATIONS AVAILABLE 586

JOURNAL OF OCCUPATIONAL MEDICINE, VOLUME V

SUBJECT INDEX 587

AUTHOR AND TITLE INDEX 592

GENERAL SECTION INDEX 597

ABOUT THE AUTHORS 29a

PEOPLE AND EVENTS 31a

CALENDAR OF MEETINGS 38a